

--New standards are continually emerging for next generation wideband code division multiple access (WCDMA) communication systems as described in U.S. Patent No. 6,345,069, entitled Simplified Cell Search Scheme for First and Second Stage, issued February 5, 2002, and incorporated herein by reference. These WCDMA systems are coherent communications systems with pilot symbol assisted channel estimation schemes. These pilot symbols are transmitted as quadrature phase shift keyed (QPSK) known data in predetermined time frames to any receivers within the cell or within range. The frames may propagate in a discontinuous transmission (DTX) mode within the cell. For voice traffic, transmission of user data occurs when the user speaks, but no to be sent. The frames include pilot symbols as well as other control symbols such as transmit data symbol transmission occurs when the user is silent. Similarly for packet data, the user data may be transmitted only when packets are ready power control (TPC) symbols and rate information (RI) symbols. These control symbols include multiple bits otherwise known as chips to distinguish them from data bits. The chip transmission (T_c), therefore, is equal to the symbol time rate (T) divided by the number of chips in the symbol (N). This number of chips in the symbol is the spreading factor.--

IN THE CLAIMS – (clean copy):

1. (Once Amended) A method, comprising the steps of:
receiving a frame of data having a predetermined number of time slots, each time slot being adjacent another time slot;
receiving a plurality of data symbols in each respective time slot; and
receiving a primary, a secondary and a tertiary synchronization code over respective adjacent channels in each said predetermined number of time slots.

Cancel Claims 6-12.